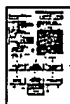




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JP8224209A2: FLUORESCENCE OBSERVING DEVICE

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Country: **JP Japan**

Kind:

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Applicant(s): **OLYMPUS OPTICAL CO LTD**
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Issued/Filed Dates: **Sept. 3, 1996 / Feb. 23, 1995**

Application Number: **JP1995000035444**

IPC Class: **A61B 1/00; A61B 1/06; A61B 5/00;**

Abstract: **Purpose:** To display both an ordinary observing image and a fluorescence observing image simultaneously without switching a light source or an image pickup means.
Constitution: A light source device 1 is provided with a laser 6 for excitation which generates excitation light for fluorescence observation, and an R/G/B laser 7 which generates R/G/B light for ordinary observation, and the excitation light and the R/G/B light form one optical axis, and it irradiates a part to be observed via an endoscope 2. The fluorescent image and the ordinary image of the part to be observed are made incident on a camera 3 via the endoscope 2, and divided into three optical paths, and they transmit band-pass filters 13, 14 and a laser cut filter 15, and the fluorescent image and the ordinary image of wavelength bands λ_1 , λ_2 are image-picked up, and the fluorescence observing image and the ordinary observing image are generated by an image processing part 4. In such a case, the wavelength bands of the excitation light and R/G/B color light and the wavelength bands λ_1 , λ_2 of detected fluorescence are set so as not to provide the wavelength band in which they are superimposed mutually.
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Other Abstract Info: **DERABS G96-450000 DERG96-450000**

Foreign References: **(No patents reference this one)**

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